

A History of Significant Local Weather Events

The following events occurred in or near the forecast area of the NWS - San Diego, which comprises Orange and San Diego Counties, southwestern San Bernardino County, and western Riverside County. These events were chosen based on infrequency, severity and impact. Note: This listing is not comprehensive.

Heavy Rain: Flooding and Flash Flooding

Date(s)	Weather	Adverse Impacts
8.12.1891	16.10" at Campo; 11.50" in 80 minutes, a record 80 minute rainfall for the state.	
1.16-17.1916	Widespread heavy rains in Southern California. 16.71" in 24 hours at Squirrel Inn (near Lake Arrowhead), a record 24 hour rainfall for California.	Widespread flooding. At least 22 dead. Roofs in Chula Vista, poultry farm in Vista, boats in Coronado and Newport damaged. Most cities completely inundated. Pine trees from Palomar Mountain floating down San Luis Rey River through Oceanside.
4.5.1926	3.23" at San Diego, the wettest calendar day on record.	
1.1.1934	6.21" at Fullerton, 6.90" Placentia, 5.16" Yorba Linda, 4.69" Buena Park, 5.04" Anaheim, 5.38" Orange , 4.81" Garden Grove, 3.24" Newport Beach, 2.96" Laguna Beach, 3.55" San Juan Cap., 3" San Clemente, 2.65" Redlands, 2.68" Oceanside, 1.56" Carlsbad, 2.44" Escondido, 0.67" San Diego , 0.48" Victorville. Storm totals in southern slopes of mountains topped 12"(heaviest: 15.86" in Duarte).	36 die all over Southern California in floods.
2.28-3.3.1938	11.06" at L.A. More than 22" in the Santa Ana River headwaters - the San Bernardino Mountains.	79 killed in flooding, 45 in Orange County. Scores more injured. Santa Ana River floods, inundates nearly all of northern Orange County. Catastrophic damage to residences. Whitewater River floods, isolates Palm Springs.

9.24-25.1939	“El Cordonazo” or “The Lash of St. Francis” a tropical storm that actually reaches Southern California and causes the greatest September rainfall ever. LA 5.42" in 24 hours, Mt. Wilson 11.60".	45 killed in floods all over Southern California.
12.23-24 .1940	3.62" at San Diego, the greatest 24 hour rainfall on record.	
1.23.1943	4.56" at Palm Springs.	
2.6.1950	Heavy rain.	Chino Creek inundates Hwy 71 from Corona to Ontario.
1.18.1952	3.98" in LA, 3.17" in 24 hours.	At least 8 dead in flooding.
7.25.1956	Thunderstorms: 1.26" Riverside, 1.05" Yucaipa, 1.01" Lytle Creek, 1.15" Upland. Almost 0.5" in five minutes at Glendora.	Flash flooding in San Bernardino, Riverside and Ontario.
1.4-5.1959	Big winter storm.	Roof damage and animals killed at San Diego. Considerable property damage from flooding and mud slides.
2.14-16.1959	Heavy rain.	Flooding in San Diego.
4.27-28.1960	Heavy rain.	1 drowning death and 3 traffic deaths. Flooding and closed highways.
11.5.1960	Heavy rain, mainly from Orange County northward.	1 drowning death, 2 injuries. Flooding, mud slides, and property damage. Power outages.
2.7-26.1962	A very wet period for Southern California. 20"+ in wettest mountain locations.	20 killed, 15 injured in flooding, mud slides. Property damage, trees down, boats damaged.
2.9-11.1963	Heavy rain.	Flooded highways and homes.
9.17-19.1963	6.50" in the mountains from tropical storm Katherine.	
11.19-20.1963	Heavy rain.	6 injured in local flooding and numerous traffic accidents.

12.1964		40 dead from flooding in LA and Orange Counties.
11.23.1965	9.59" at Cuyamaca.	
12.2-3.1966	Heavy rain in coastal areas.	Local flooding. Damage to buildings and highways.
12.5-6.1966	6.66" at Idyllwild on 12.5, 9.42" at Big Bear Lake on 12.6.	Flooding. Highway damage.
8.31.1967	2"+ comes from tropical storm Katrina.	
11.18-21.1967	14"+ in mountains above LA, 7.96" in LA. Called "worst since 1934."	2 killed. Flash flooding and mud slides. 400 stranded in mountains due to closed highways.
12.12-15.1967	Heavy rain.	2 drowning deaths in San Diego County.
3.6-8.1968	Heavy rain.	1 drowning death. Local flooding. Damage to buildings, homes, and schools. Landslides closed several highways.
1.18-28.1969	Heavy rain.	45 dead from flooding and mud slides all over California. Scores dead in traffic accidents. Hundreds of homes and buildings destroyed in slides. Highways and railroads washed out. Power outages.
2.20-25.1969	Heavy rain.	21 dead from flooding and mud slides all over California. Extensive damage to crops, farmland and livestock.
1.16-18.1973	Local amounts up to 3" on 1.16 and an additional 3" on 1.18.	Local flooding, mud slides, power outages.
2.10-11.1973	1-2" at coast, 3-7" coastal valleys, up to 12" at Mts. Wilson and Baldy. 6" in 6 hours at Mt. Wilson on 2.11.	Flooding and mud slides closed many roads.
1.3-5.1974	Heavy rain.	1 drowning death near Temecula. Many highways closed due to flooding and mud slides.

12.3-4.1974	Heavy rain.	Considerable flooding of low lying areas of Orange County.
2.4-10.1976	Heavy rain period. 4.30" at San Diego.	
9.9-12.1976	Record rains, flooding from tropical storm Kathleen. 14.76" at San Geronio, 8" Mt. San Jacinto, 10.13" Mt. Laguna.	6 buried and killed in sand in Ocotillo.
8.15-17.1977	Tropical storm Doreen brings heavy rain to San Diego County and desert areas. 4" Mt. Laguna, 2"+ Palm Springs, 4.5" Salton Sea in several hours.	Flooded roads in desert areas. Floods and crop damage at the Salton Sea.
12.27.1977	Heavy rain.	Mud slide in mountains northeast of Redlands buries a car killing 1 and injuring 3.
2.8-10.1978	Heavy rain: 16.4" at Lytle Creek, 13.64" Lake Arrowhead, 11.97" Wrightwood, 11.15" Devore, 10.4" Santiago Pk., 8.5" Crestline, 5" Ontario, 4.79" Big Bear Lake, 3.83" Santa Ana.	20 killed all over Southern California. Widespread flooding, flash flooding, and mud slides. Numerous homes washed away.
3.4-5.1978	Heavy rain.	20 deaths from flooding in LA area. 3 drowning deaths and disastrous flooding in Lakeside. 26 dead and 600 left homeless in Tijuana and Ensenada.
1.30-31.1979	2-4" rainfall in 24 hours over much of coastal Southern California.	
2.13-21.1980	Six storms hit Southern California. 12.75" in LA.	30 killed in widespread floods and mud slides. Roads and hundreds of homes destroyed or damaged. Mission Valley completely inundated between Friars Rd. and I-8.
3.1-3.1981	3" along coast and 5-6" in local mountains.	Widespread street flooding and mud slides. Power outages.
11.27-28.1981	Nearly 2" in LA area.	Highway deaths.

3.16-18.1982	2-4" in San Diego County.	Local flooding closed many streets.
12.8-9.1982	Heavy rain in eastern San Diego County.	Flooding; disastrous flooding in Ocotillo.
2.24-28.1983	Heavy rain.	Extensive street flooding. Damage to 30 cars and an apartment building in Anaheim.
4.17-20.1983	Heavy rain.	Street flooding and mud slides.
2.18-19.1984	Heavy rain.	Mud slides in Orange County up to 2' deep.
2.14-17.1986	Heavy rain.	1 death from flash flooding.
3.15-16.1986	Heavy rain in Orange County.	Mud slides along the coast.
1.4.1987	Heavy rain: 1-2"+ in the northern Inland Empire.	Lots of street flooding. Road washouts in the high desert.
9.22.1987	Heavy thunderstorm in San Diego in the morning. Very frequent lightning.	
10.22.1987	Heavy rain in northern San Diego County.	Flash flooding and debris/mud flows in Pauma Valley (exacerbated by a previous fire on southwest slopes of Palomar Mountain.). A building destroyed, 4 homes evacuated.
10.5-12.1987	Heavy rain from Hurricane Ramon: 0.75" at coast, 2" in mountains, 2.14" at Camp Pendleton, 0.69" at Lindbergh Field.	Minor flood damage.
11.4-5.1987	Heavy rain and thunderstorms.	Flooded roadways and intersections.
2.2.1988	Subtropical system drops 4" in the mountains of San Diego County.	Standing water 5' deep in some intersections. Some homes flooded with 3-6' of water.
4.19-23.1988	Heavy rain.	Flooding, mud slides, and numerous traffic accidents.
2.4.1990	Heavy rain in the San Bernardino area.	1 death from flooding.

6.9-10.1990	Rain and thunderstorms from Hurricane Boris. 0.37" at San Diego in 30 minutes, 1.41" Mt. Laguna, 0.98" Escondido, 0.87" Fallbrook.	
2.27-3.1.1991	Series of storms produced 3-6" at lower elevations, 11-14" in the mountains. 9.58" at Palomar Mountain.	2 dead, 6 injured. Urban flooding, mud slides, and road washouts. Flood waters 5' deep at Desert Hot Springs.
3.17-20.1991	A vigorous storm produced 1-8" in lower elevations, up to 14" in the mountains.	Local flooding and mud slides.
12.27-29.1991	Back to back storms dropped 2-7" at lower elevations.	Flooding of low lying areas, mud slides, and closed highways.
1.5-7.1992	1-2" at lower elevations.	Flooding and mud slides.
2.5-16.1992	A series of many intense storms brought heavy rain. A total of 20"+ in the mountains and 8-16"+ at lower elevations.	2 killed in avalanche at Mt. Baldy. Flash flooding, mud slides, and road closures.
3.1-7.1992	A series of storms brings 1-4".	Local flooding.
3.20-23.1992	A series of storms brings 1-5".	Local flooding.
4.1.1992	Heavy rain from thunderstorms. 3" in less than 1 hour at Escondido.	Flash flooding.
12.4-7.1992	Big storm produces 0.5-6" from the coast to the mountains.	Local flooding. Mud slides, standing water, and road closures.
1.6-18.1993	A very wet series of storms produces 20-50" of precipitation in the mountains and up to 12" at lower elevations over a two week period. One of the longest periods of consecutive days of rain on record (13).	Flooding and flash flooding, mud slides, etc.
2.18-20.1993	Heavy rain: 1-2" at Carlsbad.	Flooding from Oceanside to Encinitas. Homes damaged along Mojave River in Hesperia.

8.25-26.1993	Rain and thunderstorms from Hurricane Hilary. 3-4" in two hours from heavy thunderstorms in the San Bernardino Mountains, Morongo Valley, and Desert Hot Springs.	Flash flooding in Yucaipa and Morongo Valley.
2.7-10.1993	1-5" near the coast, up to 10" in the mountains, 0.5-1.5" in the deserts.	Widespread flooding.
3.25-26.1993	Heavy rain.	Local flooding, mud, debris, and road closures in Orange County.
1.3-4.1995	Heavy rain.	Flash flooding in Seal Beach, Norco, and Oceanside.
1.10-11.1995	Heavy rain.	Extensive flooding in Orange County.
1.14.1995	8-9" in northern Inland Empire.	Extensive flooding in Yucaipa. Many roads closed.
3.5-6.1995	6" in 24 hours, 10.34" in 48 hours at Idyllwild. 8.57" in 24 hours and 14.58" in 48 hours at Palomar Mountain.	
3.11.1995	3.07" at Banning - Beaumont, 2.75" at Murrieta, 2.10" at Moreno Valley, 1.23" at Riverside, 0.84" at Palm Springs, 7.73" at Wrightwood in 48 hours.	Section of I-5 washed out, lots of local flooding.
2.25-28.1996	0.5-1.5" in coastal areas.	
12.21-22.1996	2" in coastal areas, 2-5" in inland valleys and foothills.	
1.12-13.1997	1-3" in coastal areas and valleys.	
2.23-24.1997	Heavy rain.	Widespread flooding in coastal cities and Inland Empire. Homes stranded in De Luz. Cliff erosion in Del Mar and Solana Beach.
9.2.1997	Thunderstorm at Pine Cove drops 3.7" in one hour.	

9.4.1997	Heavy rain from Hurricane Linda: 2.5" per hour rain rates at Forest Falls. (Hurricane Linda was the most powerful eastern Pacific hurricane on record, with gusts to 218 mph).	Disastrous flooding and debris flows at Forest Falls: \$3.2 million damage, 2 houses destroyed, 77 damaged, car-size boulders, wall of mud 150' wide and 15' tall. Flooding damage also at Oak Glen.
9.24-26.1997	Heavy rain and thunderstorms from Hurricane Nora. 5.50" at Mt. San Jacinto, 4.70" Mt. Laguna, 4.41" Mt. San Gorgonio, 3-4" at several locations in mountains, 3.07" Twentynine Palms, 1.5-2" at Coachella and Borrego Valleys, 2.88" Hemet, 1-2" in many inland areas.	Flooding in Palm Springs, Borrego Springs and Spring Valley. Traffic deaths.
10.7.1997	Heavy rain in Inland Empire. Storm was of 100 year intensity. 1.65" in 1 hour and 15 minutes, 0.31" in 3 minutes at Hemet.	Floods and debris flows. \$2.5 million damage. Large trees, mud and boulders swept down canyons. Homes, apartments flooded at north San Bernardino and Highland.
12.6-8.1997	Heavy rains of 4-8" across Orange County, heaviest in 70 years. 10" at Mission Viejo, over 4" Corona. Heavy downpours in Victor Valley.	Widespread flooding in Orange County. Mud slides and coastal erosion. Flooding in Corona and several communities of Victor Valley. Mud flow through Adelanto.
1.8-10.1998	Heavy rain of 2".	Floods and mud in Del Dios.
2.3-4.1998	Heavy rain of 3".	Flooding, mud slides, power outages.
2.6-9.1998	Heavy rain. Up to 3" rainfall over all of Southern California.	Catastrophic and widespread flooding, especially in Newport Beach and Irvine. Lots of property damage in southern Orange County. Evacuations and swift water rescues. Landslides, mud slides, and sink holes. Roads, bridges, and railroads damaged.
2.14-15.1998	1-2" in coastal areas, 3-5" in valleys and foothills.	Flooding and mud slides.

2.23-24.1998	Heavy rain. 2-5" rainfall over all of Southern California.	2 dead, 2 injured. \$100 million estimated damage. Power outages. Catastrophic and widespread flooding. Hundreds of homes damaged. Numerous evacuations and swift water rescues. Landslides, mud slides, and sink holes. Roads, bridges, and railroads damaged. Livestock and crop loss.
3.25.1998	3.5" in 4 hours at San Clemente.	Flooding.
5.12.1998	Rain in San Diego.	First rain-out of a San Diego Padres game in Mission Valley in over 15 years.
7.20.1998	Heavy thunderstorms.	Flooding at Mission Beach and Barton Flats in San Bernardino Mountains.
8.12-14.1998	Strong thunderstorms in Apple Valley.	Flash flooding.
8.29-31.1998	Strong thunderstorms. 0.77" in 45 minutes at Wrightwood, 1.5" at Apple Valley, 0.68" in 30 minutes at Forest Falls.	Flash flooding in Hemet. Homes and roads flooded with 4 to 6" of water in Hesperia and Apple Valley. Rock slides in Mill Creek. Flooding of roads in Sugarloaf and Forest Falls.
7.8.1999	Heavy thunderstorm s.	Flooding in San Jacinto, Palm Springs, Cathedral City, and Palm Desert.
7.11-13.1999	Heavy thunderstorms in and around the higher mountains. 1.65" in less than 30 minutes at Lake Henshaw, 1.57" in 20 minutes at Big Bear City, 1.40" in 30 minutes at Sugarloaf, 1.6" in 85 minutes at Forest Falls, 1" in 1 hour at Pine Cove, 1" in 25 minutes at Shelter Valley. 1" per hour rain rate at Phelan. 1.8" in 25 minutes at Forest Falls again on 7.13.	2 dead, dozens injured, 6 homes destroyed, many more damaged, 20' high wall of water moving at 45 mph moving 70-ton boulders at Forest Falls. Buildings washed away at Jenks Lake. Disastrous flooding and mud slides at Oak Glen, Big Bear City, and Apple Valley. Flooding in Yucca Valley area, Beaumont area and Palm Springs. Roadways closed due to flash flooding.

7.21.1999	Heavy thunderstorms near Borrego Springs.	Flash flooding damage at Borrego Springs and Ocotillo Wells.
2.10.2000	Heavy rain.	3 killed, 8 injured from flooding and mud slides.
2.21-23.2000	Heavy rain.	Lots of flooding, mud slides. Roads washed out in Hemet.
4.17-18.2000	Up to 2" at lower elevations.	
8.24.2000	Thunderstorm drops 0.76" at Palomar Mountain.	Mudslide closes Highway 76.
8.29.2000	Desert thunderstorms: 1.5" in 45 minutes at Borrego Springs.	Flash flooding, mud in homes, roads damaged in Borrego Springs area. Flash floods, mud, and debris covered roads from Yucca Valley to Palm Springs.
9.7.2000	Heavy thunderstorm in Morongo Valley.	Flash flooding.
1.10-11.2001	Heavy winter storm. 1.74" at Phelan.	Flash flooding in Huntington Beach and Garden Grove.
2.11-13.2001	Heavy winter storm. 2-5" at Orange County and the western Inland Empire. 1-2" over the rest of the lowlands.	Extensive urban flooding and mud slides. Trees and power lines knocked down.
7.7.2001	Strong thunderstorms in Victor and Lucerne Valleys. 0.25" in five minutes at Lucerne Valley.	Roads closed due to flash flooding, mud slides.
9.2-3.2001	Thunderstorms from Hurricane Flossie. 2.1" in 1 hour at Lake Cuyamaca.	Flash floods and mud slides in the San Bernardino Mountains and Lake Cuyamaca.
9.30-10.1.2001	Thunderstorms in mountains and inland valleys.	Flooding in Beaumont.
2.11-14.2003	Heavy rain: 10.15" at Forest Falls, 9.75" Lytle Creek, 8.47" Lake Arrowhead, 7.60" Santiago Peak, 6.86" Mira Loma, 5.15" Wrightwood, 3.95" Hesperia, 3.87" Lake Elsinore, 3" Lindbergh Field.	Localized flooding.

8.1.2003	Thunderstorms in Borrego Valley. Estimated 2.5-3" rain in 2 hours.	Flash flooding: 4 ft of water running in San Felipe Wash. 1 car and family stranded in Borrego Palm Canyon. Half of Ocotillo Wells Airport runway inundated, debris on Hwy. 78.
8.20.2003	Thunderstorms. 3" at Yucca Valley, 2.63" in 1 hr, 7 min. at San Felipe Valley, 1.92" in 2 hours at Ocotillo Wells.	Flash Flooding. 5 residences flooded in Yucca Valley. 3 dead and 2 swift water rescues from trapped vehicles in 29 Palms. Numerous washes flooded. Hwy. S2 near Warner Springs closed to flooding.
8.24.2003	Thunderstorms. 2" at Pine Valley in 35 min.	Flash Flooding east of Alpine and in Pine Valley.
8.25-27.2003	Thunderstorms in the mountains.	Flooding closes Hwy. 38 in Big Bear City, roads near Guatay, routes S2 and S22 near Ranchita, Hwy. 78 east of Julian (rock and mud slides), streets in Borrego Springs and Campo.
9.2-3.2003	Thunderstorms in mountains and deserts. Rain rates over 1 inch per hour with many of them.	Flash flooding and roadways flooded in Lake Henshaw area, Palm Canyon near Palm Springs, Yucca Valley, Idyllwild, Santa Ysabel, Mt. Laguna and Borrego Springs.
12.25.2003	Heavy rain. 8.58" at Lytle Creek, 5.79" Devore, 5.59" Santiago Peak, 5.40" Forest Falls, 3.94" Volcan Mountain. 0.35"-2.5" fell at lower elevations.	15 dead in mudslides. 13 in a church camp in Waterman Canyon north of San Bernardino, 2 in a campground in Devore.

Heavy Snow, Rare Snow at Low Elevations

Date(s)	Weather	Adverse Impacts
12.1847	Light snow in hills above Old Town San Diego. Greater amounts to the east.	
1.12-14.1882	15" at San Bernardino. 3' in Campo over four days. 2-5" in outlying San Diego, including: 4" along Poway Grade, 3" at El Cajon, 1" Poway. Light snow in Del Mar. Snow flakes, but not sticking at San Diego.	Birds and livestock killed, telegraph lines down.
1.11.1930	2" at Palm Springs.	
1.21.1937	Snow flurries at San Diego. Trace amounts stuck to northern and eastern parts of the city.	
2.11.1946	Snow flurries in many parts of San Diego.	
1.9-11.1949	Snow in lowlands: 14" Woodland Hills, 8" La Canada and Catalina Island (2,100'), 6" Altadena, 5" Burbank, 4" Pasadena, 1" Laguna Beach and Long Beach.. A trace in San Diego, the only time since 1882. 3' Mt. Laguna, 18" Cuyamaca, 1' Julian, 4-8" as low as 1000' elevation. A light covering in La Jolla, Point Loma, Miramar, Escondido, Spring Valley, and other outlying San Diego areas.	Snarled all kinds of transportation. Power outages and emergencies. Plane crash kills 5 and injures 1 near Julian. Camping group stranded at Cuyamaca.
1.20-21.1962	Snow to lower elevations.	Highways closed.
12.9.1963	Heavy snow in the mountains.	5 killed, 6 injured. Highways blocked.
3.12-13.1967	Heavy snow in the mountains.	Highways closed.

12.13-19.1967	50" at Mt. Laguna, 38" Idyllwild, 2' Palomar Mountain, 12-18" in higher elevations. 6" Temecula, 5" Fallbrook, 4.5" Anza Borrego State Park, 3" Borrego Springs, 2" Carlsbad on 12.13. Light covering over many San Diego mesas.	1 freezing death. Numerous schools and highways closed. Transportation disrupted. Power outages.
2.20-25.1969	Heavy snow in mountains approach greatest depths on record.	
1.3-5.1974	Over 18" in San Bernardino Mountains.	Structures and a few roofs collapse due to weight of snow. Power lines and trees snapped.
11.28-29.1975	First winter storm of season was heavy. Up to 2' in San Bernardino Mountains, 16" at Big Bear Lake.	20 stranded campers rescued after a few days.
3.2-4.1976	20" at Running Springs.	
1.30-31.1979	2" at Palm Springs. Widespread snow.	
11.27-28.1981	3' at Big Bear Lake.	
3.18.1982	25" at Palomar Mountain.	
2.18-19.1984	Up to 16" in the mountains.	
3.15-16.1986	3' in the San Bernardino Mountains.	
1.4.1987	Up to 15" in the San Bernardino Mountains.	
2.22-24.1987	22" at Cuyamaca, 12-17" in the San Bernardino Mountains, 6" Pine Valley, 3" Lake Morena. Snow pellets to coastal areas: 2-3" at Huntington Beach, measurable at San Diego Bay front.	Schools closed in mountain areas.
12.24.1987	Snow flurries within San Diego city limits. Not a flake officially at San Diego. Heavy snow in the Laguna Mountains.	
2.7.1989	Snow at the beaches in LA to the desert in Palm Springs. 15" in the mountains.	Major road closures. Numerous traffic accidents.

1.16-17.1990	Snow flurries within San Diego city limits. None officially at San Diego. 14" at Mt. Laguna. 10-16" in mountains.	
2.4.1990	10-13" in the mountains.	
2.16-18.1990	3-4' in the mountains.	Avalanche at Wrightwood buries 10 hikers, injuring 1.
2.27-3.1.1991	Back to back storms dump 2-3' in the Big Bear area, up to 2' elsewhere in the mountains.	Highways closed.
3.17-20.1991	2-5' in the mountains.	
3.27.1991	36" at Lake Arrowhead, 27" Big Bear Lake, and 18.5" Idyllwild.	
1.5-7.1992	6-20" in the mountains, 2-8" in foothills and high desert floors.	
12.4-7.1992	6" to 2' in the mountains.	
2.7-10.1993	8-18" in the mountains.	
1.3-4.1995	6-12" in the mountains. Snow in the high desert: 2" of heavy, wet snow at 2300'.	
3.11.1995	Over 20" at Bear Mountain.	
12.23.1995	12" in the San Bernardino Mountains, 8" on the high desert floors.	
1.22-23.1996	12" above 4000'.	
2.25-28.1996	10" at Idyllwild, 2" Yucaipa, a dusting at Hemet and Corona. 1-2' in mountains, up to 6" in high desert.	
3.12-13.1996	8-12" in the San Bernardino Mountains.	
1.12-15.1997	18" at Mt. Laguna. 18"-3' snow above 2500'. Ski resort at Snow Valley open until 5.18, the latest in 78 year history.	13 illegal immigrants die near Pine Valley.
2.23-24.1998	1-2' above 6000', 3-4' above 7000'.	Trees and power lines down.

3.28-29.1998	Coldest storm of the year. 1-3' above 5000', 4-8" above 3000'. Ice pellets and hail 1" deep in some coastal and foothill areas.	Considerable damage to crops. Serious traffic accidents.
4.1.1998	Up to 3' of powder at ski resorts. 18" at Pine Cove.	
1.26.1999	22" over a large area around Running Springs, 18" at Angelus Oaks.	Road closures.
4.1-2.1999	7-9" at Pine Valley and Descanso, 2" at Boulevard, "heavy snow" reported at Cherry Valley (3000'), 1" at Homeland (1,700').	7 illegal immigrants found dead near Descanso, 2 just over the border.
6.2-3.1999	Latest measurable snow on record for area mountains. 3" at Mt. Laguna, 1" Wrightwood.	
2.21-23.2000	18" at Forest Falls.	
3.4-6.2000	Up to 17" in 24 hours in the mountains. 14" at Forest Falls.	3 illegal immigrants dead south of Mt. Laguna.
4.17-18.2000	Late winter storm: 18" at Wrightwood.	
1.10-11.2001	13-18" in Idyllwild area. 3" in Phelan.	
2.6-14.2001	Over a week of heavy snow called "most in a decade": 5' at Blue Jay and Mountain High, 2' Snow Summit, 5-12" at Apple Valley. Mountain High reports 12" on 2.6, 10" on 2.11, 36" on 2.12, 30" on 2.13, 8" on 2.14.	Roof of ice rink caves in at Blue Jay.
2.28.2001	32" at Mountain High.	
1.28-29.2002	Light snow in southern Inland Empire.	
3.18.2002	3" in Apple Valley, the greatest daily snow amount for March. 1" in Hesperia.	

Severe Thunderstorms: Large Hail, Strong Thunderstorm Winds, and Killer Lightning
(See flash flooding in heavy rain section)

Date(s)	Weather	Adverse Impacts
2.28-3.3.1938	Thunderstorms.	1 killed by lightning in Corona.
9.2.1960	Golf ball size and baseball size hail at Boulevard area. 2-3" precipitation. Hail diameter measured at 2.75" and weighed over 1 lb., some stones estimated larger. 2.75" hail also in Riverside County.	Considerable damage to houses.
1.30-31.1979	Golf ball size hail.	
9.22-23.1987	Frequent lightning and thunderstorms from Hurricane Norma mainly from El Cajon to San Diego. 0.55" in two hours at Lemon Grove, 0.97" total. 0.68" at Lindbergh Field.	Numerous power outages, property damage from lightning strikes, and small fires ignited.
4.26.1994	Large hail up to 0.75" from San Dimas to Ontario.	Section of I-215 closed.
1.12-13.1997	Dime size hail up to 1' deep over a small area in Buena Park and Cypress.	
2.17.1997	Marble size hail at Yucaipa.	
5.18.1997	Wet microburst in Apple Valley (in addition to two tornadoes).	Building and structure damage. Power lines arcing down and producing fires.
8.3.1997	Dime size hail at Campo.	
9.1-2.1997	Strong thunderstorm winds: three gusts to 104 mph at Twentynine Palms. Apple Valley gust 62 mph.	Large tree blown down in Apple Valley.
9.4.1997	Thunderstorms from Hurricane Linda: golf ball size hail in Forest Falls area.	
3.28.1998	Microburst in Lake Elsinore.	Tree uprooted, extensive roof damage.
4.1.1998	Grape size hail piled up 2" deep at Laguna Niguel.	

8.12-14.1998	Downburst in Hemet with winds 70 mph and 0.75" hail. Strong winds in Apple Valley. Golf ball size hail at Cajon Pass. 1.6" rain in 30 minutes at Boulevard.	Buildings damaged, trees and power lines down in Hemet.
8.29-31.1998	Severe thunderstorms. Wind gust of 86 mph at Sage (south of Hemet), gust 50 Rialto, 45 San Marcos.	Downed trees and power lines.
9.2.1998	Severe thunderstorms at Hemet and San Marcos from Hurricane Isis. Strong winds from thunderstorms in Orange County with gusts to 40 mph.	Large fires in Orange County.
12.6.1998	Thunderstorm in Los Alamitos and Garden Grove: gusts 50-60 mph called "almost a tornado."	
7.13.1999	0.75" hail at Forest Falls.	
3.5-6.2000	Golf ball size hail at Garden Grove, Santa Ana, and Running Springs. Strong thunderstorm winds at the coast: gust 60 mph at Huntington Beach.	Property damage and trees downed along the coast from Huntington Beach to Sunset Cliffs.
8.1.2000	0.5" hail at Lake Arrowhead.	
8.29.2000	Thunderstorm wind gust to 61 mph at Borrego Springs.	
9.7.2000	"Big" hail strikes Forest Falls. Lightning strikes Oceanside High School.	
2.13.2001	Thunderstorm gust to 89 mph in east Orange.	
2.27.2001	Dime size hail in Mira Mesa, and 8" of graupel (soft hail) pile up on I-15.	Traffic delays.
8.8.2001	Strong thunderstorm in Twentynine Palms.	Damages.

9.2-3.2001	Strong thunderstorms from Hurricane Flossie.	1 boy killed by lightning in Apple Valley. 1 man killed and 1 boy injured by lightning at Cuyamaca Rancho State Park. Trees fell on a house in Beaumont.
9.30-10.1.2001	Thunderstorms in mountains and inland valleys.	1 killed by lightning at Cuyamaca Rancho State Park.
8.24.2003	Thunderstorms produce nickel size hail in Pine Valley, strong winds at Lake Henshaw.	Major tree damage at Lake Henshaw.
8.25.2003	0.75" hail at Big Bear City.	
9.2.2003	1.25" hail at Descanso.	
9.4.2003	1.75" hail in Joshua Tree and 29 Palms. 0.75" hail in Julian area.	

Tornadoes, Funnel Clouds, Waterspouts, and Damaging Dust Devils

Date(s)	Weather	Adverse Impacts
4.6.1926	Waterspout comes ashore in National City resulting in the most damaging tornado on record in San Diego County.	8 injured. Roofs torn off homes.
3.16.1952	Tornado in Santa Monica.	3 dead in storm; damage.
6.25.1954	Tornado northeast of Victorville.	
4.6.1955	Tornado north of Moreno Valley.	
4.13.1956	Tornado in Chula Vista.	1 injured. Property Damage.
4.1.1958	Tornado in Laguna Beach.	
10.8.1961	Tornado in Carlsbad.	Property Damage.
2.19.1962	Tornado in Irvine.	
4.8.1965	Tornado in Costa Mesa.	

11.7.1966	Tornadoes in Newport Beach and Costa Mesa.	Property Damage.
7.22.1966	Tornado in Victorville.	
11.30.1970	A waterspout and three small funnel clouds reported six miles west of San Diego.	
2.23.1971	A tornado 10 miles east of Brown Field, Otay Mesa, near Mt. San Miguel. Numerous funnel clouds in Chula Vista, Brown Field, and San Ysidro. A waterspout off Imperial Beach.	
2.23.1973	Tornado near San Diego.	
7.20.1974	Tornado in Hemet.	Property damage.
10.22.1974	Tornado in Yucca Valley.	Property damage.
10.29.1974	Tornado in Encinitas.	
9.4-6.1976	Six tornadoes. 5 around El Mirage, west of Adelanto, one near Mt. Baldy.	Property damage.
3.16.1977	Tornado skipped from Fullerton to Brea..	4 injured. Damage to 80 homes.
2.9.1978	Tornado in Irvine.	6 injured; property damage.
12.17.1978	Tornado in Oceanside.	3 injured. Damage to vehicles and structures.
2.25.1987	Several funnel clouds and waterspouts around San Diego County.	Waterspouts damaged many boats in Coronado harbors. One 30' cabin cruiser flipped.
1.18.1979	Tornado in Tierrasanta - San Diego.	
1.31.1979	Tornado in Santa Ana, possibly elsewhere.	Numerous power outages.
2.20.1980	Tornado in Clairemont - San Diego.	Considerable property damage.
1.20.1982	Tornado in Riverside.	
3.17.1982	Tornado at Lindbergh Field - San Diego.	

9.7.1982	Tornado in Landers.	Property damage.
11.9.1982	Tornadoes in Garden Grove and Mission Viejo.	Property damage.
8.1.1983	Tornado in Landers.	Property damage.
1.13.1984	Tornado in Huntington Beach.	Property damage.
2.3-4.1985	Tornadoes in Tierrasanta and Allied Gardens - San Diego. Funnel clouds at Brown Field.	Eight mobile homes damaged. Other property damage.
9.18.1985	Tornado around the north shore of the Salton Sea.	
3.16.1986	Tornado in Anaheim.	Property damage.
2.22-24.1987	Tornadoes and waterspouts in the Huntington Beach area.	
7.27.1987	Tornado in Twentynine Palms.	
1.18.1988	Tornadoes in Mission Viejo and San Clemente.	Property damage.
1.14.1990	Tornado in East City Heights - San Diego.	Property damage.
2.28.1991	Tornado in Tustin.	
3.19-20.1991	Tornado in East City Heights - San Diego on 3.19. Tornadoes in Riverside and Muscoy (near San Bernardino) on 3.20.	Property damage in San Diego.
3.27.1991	Tornado in Huntington Beach and San Marcos.	
2.15.1992	Tornado in Camp Pendleton.	Property damage.
12.7.1992	Tornadoes in Anaheim, Westminster, and Carlsbad.	Property damage.
12.29.1992	Tornado in San Clemente.	Property damage.
1.18.1993	Tornado in Orange County. Funnel cloud in Hemet.	Property damage.
2.8.1993	Tornado in Brea.	Property damage.

3.26-28.1993	Funnel clouds near Temecula and a funnel cloud in Moreno Valley.	
11.11.1993	Tornado in Portola Hills (near Tustin).	2 injuries; property damage.
2.7.1994	Tornado from Newport Beach to Tustin.	Roof and window damage. Trees blown down.
4.26.1994	Waterspout 11 miles southwest of Camp Pendleton.	
8.12.1994	Tornado in Valle Vista (east of Hemet) and several funnel clouds in Hemet.	Trees uprooted. Power poles blown over. A home damaged and a trailer destroyed.
12.13.1994	Two waterspouts about 0.5 mile off Newport Beach.	
12.13.1995	Funnel cloud near Fullerton airport.	
3.13.1996	Funnel cloud in Irvine, two southwest of Moreno Valley, and one northwest of Hemet.	
5.25.1996	Funnel cloud 10 miles west of Lindbergh Field - San Diego.	
12.22.1996	Tornado in Cabazon.	Threw a 5 ton mobile home 30 feet. Minor damage to six other mobile homes.
1.12.1997	A waterspout 2 miles southwest of Lindbergh Field - San Diego came ashore at Shelter Island.	Damage to resort.
2.28.1997	Funnel cloud in Kearny Mesa - San Diego.	
4.2.1997	Funnel cloud 5 miles west of Lindbergh Field - San Diego.	
5.11.1997	Tornado in Apple Valley.	Catastrophic damage to buildings, structures, trees, power lines.
5.18.1997	Two tornadoes in Apple Valley and a wet microburst. Estimated 130-140 mph winds.	Building and structure damage. Power lines arcing down and producing fires.

5.20.1997	Tornado 7 miles east of Borrego Springs.	
6.6.1997	Tornado in Hesperia.	Destroyed a large fountain.
6.13.1997	Funnel cloud 2 miles northwest of Lindbergh Field - San Diego.	
8.6.1997	Funnel cloud in Pine Valley.	
11.10-11.1997	A waterspout came ashore at Newport Pier 11.10 and quickly dissipated over western Costa Mesa. Winds were estimated at 60 to 70 mph. Tornado in Irvine 11.11, and another funnel developed.	Minor power outages. Little damage. A fisherman was blown from one end of the Newport pier to another. Property and vehicle damage in Irvine from flying debris. Ten cars were thrown a few feet.
11.30.1997	Waterspout 6 miles south of Newport Beach.	
12.8.1997	Funnel cloud in Del Mar.	
12.21.1997	Waterspout and tornado in Huntington Beach.	Damage to boats, houses, and city property.
1.2.1998	Funnel cloud southwest of Chula Vista.	
1.9.1998	Waterspout 3 miles off Laguna Beach. Tornado at Long Beach	Property damage in Long Beach.
1.29.1998	Waterspout moves ashore on Moonlight Beach and becomes a tornado at Encinitas	Property damage.
2.9.1998	Tornado in Cardiff - Encinitas and Rancho Santa Fe.	Minor damage.
2.17.1998	Waterspout off Point Loma.	
2.24.1998	Tornado in Huntington Beach. Waterspout off Mission Beach.	Property damage, power outage. Roof travels 1/4 mile.
3.13-14.1998	Numerous waterspouts between Long Beach, Huntington Beach and Catalina. Funnel clouds in Phelan and Hesperia.	

3.28.1998	Funnel cloud in Dulzura.	
3.31-4.1.1998	Numerous funnel clouds reported near Orange and San Diego County coasts, two of which became waterspouts off Orange County. One waterspout briefly hit the coast south of the Huntington Beach Pier.	
5.5.1998	“Apparent” tornado in San Bernardino and Rialto	Shredded metal siding in Rialto.
5.6.1998	Waterspout 1 mile west of North Island.	
5.13.1998	Tornado in Homeland. Funnel clouds in Homeland and Moreno Valley.	Damage to mobile homes in Homeland.
6.6.1998	Two funnel clouds off Dana Point.	
9.27.1998	Funnel cloud over Mission Beach.	
12.5.1998	Funnel cloud 2 miles southwest of Imperial Beach.	
1.25.1999	Funnel cloud 1 mile off Costa Mesa coast.	
4.1-3.1999	Waterspout 6 miles off Newport Beach on 4.1. Funnel cloud 3 miles west of La Jolla on 4.2. Waterspout 3 miles southwest of Oceanside on 4.3.	
4.7.1999	Funnel cloud 2 miles west of La Jolla.	
4.12.1999	Funnel cloud northeast of Temecula.	
6.3-4.1999	Funnel cloud 1 mile off San Clemente. Waterspout off Laguna Beach.	
7.10.1999	Funnel cloud in Hesperia.	
7.12.1999	Tornado 6 miles east of Julian. Recorded wind speeds 43 mph.	Building and structure damage. Trees uprooted and knocked over.
7.21.1999	Tornado in Shelter Valley.	Property damage.

12.31.1999	Funnel clouds in Santa Ana and Oceanside. Waterspout off Costa Mesa coast.	
2.21.2000	Tornado at Anaheim Hills.	Property damage.
3.3.2000	Waterspout 3 miles west of La Jolla.	
3.7.2000	Waterspout 10 Miles West of San Clemente. Funnel cloud 2 miles west of La Jolla.	
6.14.2000	Funnel cloud in Phelan.	
6.23.2000	Two funnel clouds around Hesperia.	
6.25.2000	Funnel cloud 12 miles west of Ocean Beach.	
8.25.2000	Funnel cloud came within 200 feet of the ground in Jacumba.	
9.7.2000	Funnel cloud over Carlsbad.	
10.28.2000	Funnel clouds around Newport Beach and Costa Mesa.	
11.10.2000	Tornado in southeast Poway.	Damage to 8 houses, trees uprooted and knocked down, vehicles moved.
1.10-12.2001	Funnel cloud at Orange County Airport, Newport Beach on 1.10, and Kearny Mesa - San Diego on 1.11. Waterspout 3 miles west of Chula Vista on 1.11 and 12 miles west of Mission Beach on 1.12.	
2.10-11.2001	Waterspout 2 miles west of La Jolla and a funnel cloud 3 miles northwest of La Jolla on 2.10. Waterspout 3 miles off Laguna Beach and two waterspouts 1 mile west of Ocean Beach on 2.11.	
2.13-14.2001	Funnel clouds in Palm Desert on 2.13 and 9 miles west of Oceanside on 2.14.	

2.24.2001	Tornado in Orange.	Damage to a warehouse, 6 structures, fences, and telephone wires.
2.27.2001	Several funnel clouds in Escondido. A waterspout 10 miles west of San Diego - Lindbergh Field.	
3.6.2001	Funnel cloud in Yorba Linda.	
4.9.2001	Two funnel clouds 4 miles southwest of San Diego - Lindbergh Field.	
5.28.2001	Two brief waterspouts 5 miles west of Laguna Beach.	
7.3.2001	Dust devil in Hesperia (may be a microburst or other thunderstorm wind).	Blows off roof.
7.7.2001	Tornado at Twentynine Palms and Joshua Tree.	Minor damage to homes and businesses in Joshua Tree.
8.15.2001	Dust devil in Meniffee.	Damage to shed.
8.17.2001	Funnel cloud in Dulzura.	
2.17.2002	Two funnel clouds around Carlsbad.	
3.24.2002	Two funnel clouds around Carlsbad.	
5.20.2002	Three funnel clouds and one waterspout off the coast near Dana Point	
10.26.2002	Funnel cloud 5 miles northeast of Borrego Springs.	
5.27.2003	Dust devil in Sugarloaf.	Damage to three vehicles.
9.4.2003	Tornado in Joshua Tree - Yucca Valley.	Extensive damage (\$25K) to one residence. Minor damage to 11 other residences. No injuries.
11.1.2003	Large waterspout between Laguna Beach and Catalina Island.	

Strong winds

(for thunderstorm related winds, see severe thunderstorms)

Date(s)	Weather	Adverse Impacts
9.24.1939	Tropical storm. 50 mph winds.	48 dead from sinking boats.
2.11.1946	Icy cold winds in mountains of San Diego County with gust 72 mph.	
1.10.1949	Cold winter storm. Gust to 75 mph in the mountains of San Diego County, gust to 40 mph in San Diego.	Plane crash kills 5 and injures 1 near Julian.
11.5-6.1961	Santa Ana winds.	Fire in Topanga Canyon.
9.26.1963	Santa Ana winds. Gusts over 50 mph in the mountains of San Diego County.	Hottest heat wave west of mountains in the county on record.
11.19-20.1963	Strong storm winds.	Hundreds of trees downed. Power lines downed.
12.2-3.1966	Strong storm winds.	Power outages.
1.18-28.1969	Strong storm winds.	4 dead from falling trees. Power outages.
2.20-25.1969	Strong storm winds.	Telephone, power, and gas outages.
9.26-29.1970	Gusts to 60 mph at Cuyamaca Rancho State Park.	The Laguna Fire. 8 killed, 400 homes destroyed, 185,000 acres burned as of 9.28 from Cuyamaca to Alpine.
2.10-11.1973	Strong storm winds. 57 mph at Riverside, 46 Newport Beach.	Some 200 trees uprooted in Pacific Beach alone.
2.4-10.1976	Strong storm winds: 64 mph at Palmdale.	
11.30-12.1.1982	Widespread strong wind with a big storm.	Power out to 1.6 million homes.
3.15.1987	Widespread strong storm winds.	Motor homes toppled in the desert, boats flipped over in harbors.

1.17.1988	Gust to 64 mph from the west at San Diego - Lindbergh Field, highest wind on record.	
10.26-27 .1993	Santa Ana winds: gust 62 mph at Ontario.	Fire in Laguna Hills.
12.24.1993	Santa Ana winds: gust 75 mph at Ontario.	
12.14.1996	Santa Ana winds: gust 111 mph at Fremont Canyon, gust 92 Rialto.	2 killed from flying debris.
12.21-22.1996	Storm winds 40-50 mph.	
1.5-6.1997	Storm winds: gust 99 mph at Fremont Canyon, 58 mph elsewhere.	
1.29.1997	Santa Ana winds: gust 100 mph at Fremont Canyon, 87 Rialto.	Big rigs blown over.
10.14.1997	Santa Ana winds: gusts 87 mph in central Orange County.	Large fire in Orange County.
12.10-12 .1997	Santa Ana winds: gust 96 mph at Pine Valley, 87 Upland.	2 killed from flying debris. Property damage in Sun City. Crop damage. Boats damaged and sunk at Coronado and Avalon.
12.18-22 .1997	Gusts 60 mph at Rialto. Gusts 67 mph at Idyllwild and below Cajon Pass.	1 killed. Fire, trees down, and widespread wind damage.
12.29 .1997	Gusts 60+ mph at Santa Ana.	
2.3-4.1998	Strong storm winds: gust 60 mph at Newport Harbor, 51 San Clemente.	
2.23-24.1998	Strong widespread storm winds 40-60 mph.	Trees and power lines knocked down. Damage.
3.28-29.1998	Strong storm winds in Orange County: sustained 30-40 mph. Gust 70 mph at Newport Beach, gust 60 Huntington Beach. Gusts to 60 mph in the mountains.	Trees down, power out, and damage across Orange and San Diego Counties. 1 illegal immigrant dead in Jamul.

12.9-10.1998	Santa Ana winds: gust 101 mph at Modjeska Canyon, gust 93 Fremont Canyon, 52 Santa Ana, 83 Ontario.	Trees and power lines down. Overturned vehicles. Property damage.
1.21.1999	Gust 80 mph in the Salton Sea area. Gusts up to 70 mph in the Coachella Valley, 47 Palm Springs, 36 Thermal.	
2.10-12.1999	Santa Ana winds: gust 85 mph at Rialto, gusts to 80 mph reported from I-8.	I-8 closed.
5.13.1999	Strong winds: sustained 61 mph at Borrego Springs.	Roof and tree damage.
11.22.1999	Gust 80 mph at Highland.	
12.3.1999	Santa Ana winds: gust 90 mph at San Bernardino, 68 Fontana.	
12.10-11.1999	Gust 60 mph at Palm Springs.	
12.21-22.1999	Santa Ana winds: gust 68 mph at Campo, 53 Huntington Beach, 44 Orange.	House and tree damage in Hemet.
1.5-6.2000	Santa Ana winds: gust 93 mph at Fremont Canyon, 60 Ontario, 58 Devore.	I-15 closed.
2.19.2000	Santa Ana winds: gust 92 mph at Fremont Canyon.	
2.21-23.2000	Winter storm winds: gust 75 mph along Highway 91.	Trees down at Lake Arrowhead.
4.1.2000	Santa Ana winds: gust 93 mph at Mission Viejo, 67 Anaheim Hills.	
4.17-18.2000	Late winter storm: gust 68 mph in the mountains of San Diego County.	
11.7.2000	Santa Ana winds: gust 82 mph at Fremont Canyon.	
12.25-26 .2000	Santa Ana winds: gust 87 mph at Fremont Canyon.	Damage and injuries in Mira Loma, and Orange and Riverside Counties.

1.2-3.2001	Santa Ana winds: gust 52 mph at Ontario, 60 Rialto.	Viejas Fire. 5,500 acres burned. Trees and power lines down.
1.10-11.2001	Winter storm: gust 71 mph at Phelan.	
2.7.2001	Winter storm: gusts 50 mph at Palm Springs and Thermal, 54 Fish Creek.	
11.27.2001	Santa Ana winds.	Damage.
12.7-8.2001	Santa Ana winds: gust 87 mph at Fremont Canyon.	Potrero Fire.
1.24.2002	Santa Ana winds.	
2.8-10.2002	Santa Ana winds: gust 80 mph at Descanso, 78 Fremont Canyon, 76 San Bernardino.	Fire in Fallbrook area.
1.6-7.2003	Very widespread Santa Ana winds: gust 100 mph at Fremont Canyon, 90 Ontario, 80 Upland, 72 Trabuco Canyon, 70 Riverside, 58 Miramar.	2 dead, 11 injured. Widespread property damage, road closures, power outages, trees down, wildfires, crop damage.
10.25-27.2003	Santa Ana Winds: gust 56 mph at Descanso, 46 Anza, 45 Ontario, 43 Fremont Canyon, 41 Beaumont, 40 Campo.	Unprecedented wildfires consumed hundreds of thousands of acres, killed over 20 people, caused over one billion dollars in damage.

Extreme Heat

Date(s)	Weather	Adverse Impacts
7.25.1891	109E in LA.	
5.27.1896	124E at Salton (City), the national maximum temperature for May.	
11.12.1906	105E at Craftonville (now Crafton Hills, near Redlands), the national maximum temperature for November.	
9.17.1913	110E at San Diego.	
2.25.1921	92E in LA, the hottest ever in February.	

12.8.1938	100°E at La Mesa, the national maximum temperature for December.	
9.18-22.1939	95+°E records at San Diego each day, highest of 106°E on 9.21.	
7.10.1940	97°E at Santa Ana, 96°E Laguna Beach.	
9.2.1950	126°E at Mecca, the national maximum temperature for September.	
8.31-9.7.1955	Heat wave. 110°E in LA on 9.1, an all time record.	
7.17.1960	101°E at Idyllwild.	
9.26.1963	113°E at El Toro, the hot spot in the nation for the date. 111°E at Lindbergh Field, highest temperature on record (95°E at 8 am). 112°E at El Cajon, 109°E at Imperial Beach, 108°E at Carlsbad, Oceanside, Santee and Chula Vista, 107°E at SDSU, Lemon Grove, La Mesa and Escondido, Coronado (only) 96°E.	Crop damage and animals killed. Schools dismissed, workers sent home, etc. Surf temperature dropped from 70°E to 64°E in one day due to the increased upwelling caused by offshore winds.
10.20-29.1965	A very long heat wave. A peak of 104°E at San Diego on 10.22.	
11.1.1966	100°E at LA, the all time November high.	
8.22.1969	110°E at Cuyamaca.	
9.25.1970	97°E at San Diego.	The Laguna Fire.
8.11-13.1971	100°E at Palomar Mountain.	
9.12.1971	103°E in LA.	
7.28-30.1972	100°E at Palomar Mountain.	
6.9-13.1979	Five consecutive days of 90+°E at San Diego, peaking with 101°E on 6.10. Minima between 69°E and 72°E.	
7.10.1979	123°E at Palm Springs.	

9.4-19.1984	Record minima set each day except one at San Diego, ranging from 73E to the highest minimum of all time of 78E on 9.9. 100E maximum on 9.8.	
6.30.1985	100+E in parts of the city of San Diego.	Fire in Normal Heights - San Diego.
4.7.1989	Daily high temperatures broken at ALL recording stations in Southern California. Some highlights: 112E Palm Springs, 103E Riverside and Escondido, 101E Tustin, 95E Victorville, 93E San Diego, 76E Big Bear Lake. Part of major heat wave from late March into mid April.	
7.4.1989	115E at Dulzura.	
8.1.1993	123E at Palm Springs.	
7.27-29.1995	Heat wave: 123E at Palm Springs on 7.28-29. 120E at Coachella, 118E Palm Springs, 113E San Jacinto, 112E Riverside, 111E Banning, Moreno Valley, and Sun City. 110E at Yucaipa on 7.27.	
8.2-7.1997	Heat wave: 121E at Thermal, 113E Brea, 110E Riverside and Ontario, 101E Julian. Low of 93E at Palm Springs on 8.5.	5 deaths.
7.16.1998	120E at Palm Springs, 118E Borrego Springs (127E Death Valley).	
7.27.1998	123E at Thermal, 119E at Palm Springs, 118E Borrego Springs.	
8.29-31.1998	Record heat near coast. 112E at Yorba Linda , 110E Hemet and Riverside, over 100E in most of Orange County. 114E at Dulzura on 8.29.	
5.7-9.2001	Heat wave. 109E at Palm Springs, Thermal, and Borrego Springs, 103E at Hemet, 102E San Bernardino.	

9.1.2002	Tropical heat wave: 118 ^E at Dulzura, 113 ^E Temecula, 112 ^E Riverside and Meniffee. Sharp temperature gradients: 77 ^E at Newport Beach to 107 ^E Santa Ana (10 miles), 72 ^E Oceanside Harbor to 87 ^E Oceanside Airport (2 miles), 81 ^E Sea World to 91 ^E San Diego - Lindbergh Field (3 miles).	
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Extreme Cold

Date(s)	Weather	Adverse Impacts
12.23-30.1891	Cold wave.	0.5" thick ice in San Diego pools, 1" thick ice on oranges on trees in Mission Valley.
12.17.1897	26 ^E at Riverside.	
1.6-7.1913	25 ^E at San Diego on 1.7, the lowest temperature on record. 28 ^E on 1.6 with a high temperature of only 45 ^E , the lowest maximum temperature on record. Also on 1.7: 4 ^E at Campo, 9 ^E Cuyamaca, 13 ^E Alpine , 15 ^E Julian and Lakeside, 20 ^E El Cajon, 22 ^E Lemon Grove, 24 ^E La Mesa, and 26 ^E Chula Vista.	Killing freeze all over San Diego County and many crops and fruit lost. Water pipes frozen, trolley lines disrupted, fishing nets unusable. Ice skating in a San Diego fountain on ice 0.75" thick.
1.22.1937	19 ^E at Palm Springs.	
1.4.1949	8 ^E at Palomar Mountain.	
1.25.1949	-4 ^E at Cuyamaca.	
1.5.1971	1 ^E at Idyllwild.	

2.22-25.1987	Lows below 40 ^E at Lindbergh for three consecutive days (coldest stretch since 1978).	
1.28.1988	-25 ^E at Big Bear Lake.	
12.26.1997	0 ^E at Big Bear Lake, 4 ^E Big Bear Airport.	
12.7.1998	30 ^E at Capistrano Beach and Dana Point, 29 ^E at Mission Viejo and San Clemente.	
2.14.2001	0 ^E at Wrightwood.	
1.30-31.2002	13 ^E at Shelter Valley, 17 ^E Campo, 22 ^E Ramona, 28 ^E Escondido.	Crops damaged in northern San Diego County.

High Surf, Stormy Seas, Tsunamis, Coastal Flooding and Erosion

Date(s)	Weather	Adverse Impacts
7.10.1855	An earthquake in LA causes two large swell to hit Dana Point.	
8.23.1856	A 7.8 magnitude earthquake in Japan. San Diego Bay rises 12' over the high water mark.	
5.27.1862	A 5.9 magnitude earthquake causes landslides into San Diego Bay and 3-4' wave runup.	
8.13.1868	Two earthquakes near 8.5 magnitude off Chile produce 2.64' wave height in San Diego.	
8.7.1906	Tsunami in San Diego from local sea quake.	
8.21.1934	Tsunami in San Diego with 20' maximum amplitude from local sea quake.	

12.12.1937	High surf.	Three piers ripped out from LA to Santa Barbara.
9.24.1939	Tropical storm. 50 mph winds. Extremely large waves.	48 dead from sinking boats. Harbors damaged.
4.1.1946	An 7.8 magnitude earthquake hits the Aleutian Islands. Newport Harbor shows a 5' drop in tide. San Pedro shows a 2.5' jump in tide.	
1.4-5.1959	High surf from a big storm.	Coastal damage in San Diego and Orange Counties. Boats and harbors damaged.
5.24.1960	An 8.5 magnitude earthquake hits Chile. Waves 8' above normal hit San Diego.	
2.9-11.1963	High surf from a big storm.	Damage to coastal homes and structures.
3.28.1964	An 8.4 magnitude earthquake hits Alaska. Tsunami reaches all of California. 2' maximum amplitude in San Diego, 6.4' rise in 10 minutes.	Damage.
11.29.1975	A 7.2 magnitude earthquake hits Hawaii. Tsunami hits Catalina. 2.4' maximum amplitude in San Diego.	Damage.
1.22-29.1983	A series of storms produces 16' surf.	Several piers collapsed. Damage to numerous businesses and homes. Several injuries to people swept off rocks.
2.14-17.1986	High surf from a big storm.	2 drowning deaths.
2.13-21.1980	Large waves hit coast. Coastal flooding at Mission Beach; water over boardwalk and into houses.	
4.30.1988	An earthquake 46 miles west of San Diego generates large surf of 14' with sets to 20'.	
8.17-19.1997	Tropical storm Ignacio produces 18' waves in Orange County.	

9.4.1997	Hurricane Linda produces 15-18' waves at the Wedge at Newport Beach.	
9.25-26.1997	Hurricane Nora produces waves 20'+ at Seal Beach.	Tidal flooding.
12.7-8.1997	Coastal erosion in Laguna Beach.	
1.30.1998	High surf.	Coastal damage.
2.23-24.1998	High surf from a big storm combined with high tides.	Coastal damage. Several homes destroyed in San Diego County.
10.27.2000	Heavy rain and very high tides.	Coastal inundation and flooding at Sunset Beach (Seal Beach).
1.9.2001	Very high tide, but only 4' surf.	Surfside in Seal Beach flooded.
11.27.2001	Strong winds off the coast.	Boat accident off Newport Beach.

Miscellaneous: Dense fog, barometric pressure, etc.

Date(s)	Weather	Adverse Impacts
2.17.1883	Highest barometric pressure at San Diego: 30.53".	
3.3.1983	Lowest barometric pressure at San Diego: 29.37".	
12.15.1969	Dense fog in Orange County.	100+ vehicle pile up on I-5.
11.10.1980	Dense fog in San Bernardino.	24 vehicle pile up on I-15. 7 dead, 17 injured.
2.14.2000	Dense fog at Cajon Pass.	71 vehicle pile up on I-15. 22 injured. I-15 closed for 4 hours.
10.24.2001	Dense fog in Inland Empire.	39 vehicles pile up in 13 separate accidents on I-215 in Perris. 8 injured.